



## Review

# Dario and Delorean: The Shocking Connection Between Name Popularity and TSLA Stock Price

Catherine Horton, Anthony Torres, Gemma P Tillman

*Institute of Advanced Studies*

**The relationship between human names and financial markets has long been a subject of curiosity, often leading researchers to make remarkable discoveries. In this study, we sought to investigate the curious correlation between the popularity of the first name Dario and the stock price of Tesla (TSLA). Combining data from the US Social Security Administration's name popularity records and the financial database of LSEG Analytics (Refinitiv), we embarked on our own electrifying journey into the world of econometric analysis. Our results unveiled a positively charged correlation coefficient of 0.9389975, indicating a strikingly high statistical relationship between the two variables. That's right, folks, it seems there is more to the name Dario than meets the 'electric' eye! The p-value of less than 0.01 further electrifies our findings, suggesting this connection is not merely a fleeting spark, but a sustained phenomenon with some serious 'shock' potential for the financial markets. Notably, this research contributes to the field by sparking discussion about the potential impact of personal nomenclature on financial decisions. On a lighter note, it may inspire some parents-to-be to consider the name Dario as an unconventional hedge against market fluctuations - after all, this study suggests that little Dario might just hold the 'power' to influence stock prices. Attend this presentation to receive a complimentary "Dad-jokes about stock prices" booklet!**

As the old saying goes, "What's in a name?" Well, according to our research, potentially a lot more than you'd think - especially when it comes to the mesmerizing world of financial markets and the stock gyrations that keep investors on their toes! Now, before you roll your eyes and dismiss this study as mere whimsy, allow us to

illuminate you about the electrifying connection we've stumbled upon. It's a tale of Darios and deloreans, of sparks and stock prices, and it's sure to leave you with a positively charged curiosity about the unexpected ties between personal nomenclature and the dynamics of the financial realm.

But first, let's address the elephant in the room - how can a person's name possibly influence the ebb and flow of stock prices? Well, hold on to your shock absorbers, because we're about to take you on a rollercoaster ride of statistical analysis and dad jokes that just might make you reevaluate the power of nomenclature in financial decision-making.

Now, we're well aware that this may all sound like a "shockingly" improbable premise, but don't dismiss the idea just yet. After all, the stock market is no stranger to unexpected turns and twists - or as we like to call them, "stocking stuffers" for the risk-seeking investor! And if this study has taught us anything, it's that sometimes a seemingly whimsical association might hold a jolt of truth that could change the way we perceive the market's behavior. So, without further ado, let's dive headfirst into the captivating correlation between the name Dario and the stock price of one of the most buzzed-about companies - Tesla.

#### *Prior research*

The connection between the popularity of individual names and various aspects of life has been a subject of interest for researchers across diverse disciplines. In "The Name Game" by Smith et al., the authors explore the hidden implications of personal nomenclature, shedding light on the potential influence of names on social and economic phenomena. Continuing this line of inquiry, "Monikers and Markets" by Doe investigates the impact of names on consumer behavior and financial decision-making, providing valuable insights into the intricate web of human psychology and nomenclature.

Now, one might wonder, "What's so electrifying about the name Dario?" Well, dear reader, we're about to shed some light on this shocking discovery. In "Electrifying Surnames" by Jones, the authors delve into the curious world of names associated with electrical phenomena, laying the groundwork for our current investigation into the electrifying link between the first name Dario and Tesla's stock price.

Diving into the intriguing world of fiction, "The Shocking Adventures of Dario and Tesla" by A. Novel explores the whimsical journey of a young man named Dario and his uncanny encounters with the enigmatic world of stock markets and technological marvels. With its captivating narrative and unexpected plot twists, this novel serves as a literary inspiration for our own exploration into the uncharted territory of name-popularity dynamics and stock price correlations.

On the gaming front, the classic board game "Stock Shock" provides a playful yet insightful take on the volatility of financial markets, offering players a chance to experience the thrill and unpredictability of stock price movements. As we navigate through the surprising findings of our research, we can't help but draw parallels between the exhilarating twists of this game and the unforeseen correlations we've uncovered.

In "The Current War" by History Buff, the authors unravel the captivating saga of famous inventors and their groundbreaking contributions to the electrical industry. While this historical account may not directly address our research topic, it certainly adds a spark of inspiration to our

investigation into the influence of "electric" names on modern financial phenomena.

Now, if you'll pardon the pun, let's "amp up" the excitement as we unveil the electrifying connection between the first name Dario and the stock price of Tesla. Get ready for some shockingly good findings!

### *Approach*

Ah, the electrifying journey of methodology! It's time to lift the hood of our research and inspect the ingenious gears and pistons that powered our investigation into the connection between the name Dario and the stock price of Tesla (TSLA). Hold on to your pocket protectors, because we're about to navigate through the uncharted terrain of correlation-fueled analyses!

To start, we amassed data from the US Social Security Administration's comprehensive records of name popularity, spanning the years 2011 to 2022. We then turned our attention to the financial archives of LSEG Analytics (Refinitiv), where stock prices of TSLA gleamed in all their volatile magnificence. Our intrepid team harnessed the raw power of these datasets, much like how Nikola Tesla tapped into the energy all around us, to unravel the connection that left us positively charged with anticipation.

After gathering our 'shocking'ly extensive dataset, we unleashed our statistical wizards to perform the dance of correlation and regression analyses. We put these numbers to the test, just like Elon Musk tirelessly endeavors to put his Mars-bound rockets through their paces.

We conscientiously applied relevant econometric models, including the

electrifyingly named ARIMA (AutoRegressive Integrated Moving Average) and VAR (Vector Autoregression) models, to scrutinize the relationship between Dario's popularity and TSLA's stock price fluctuations. It was like conducting a magnetic symphony, with each statistical test harmonizing to reveal the captivating notes of correlation.

As any dedicated researcher would tell you, our approach involved meticulous data cleansing, outlier detection, and robustness checks. We navigated through this labyrinth of methodological intricacy with the same tenacity Doc Brown displayed in navigating the time-space continuum in his iconic DeLorean.

There's a reason we call it the "first name" Dario; it's because our methodology is the precursor to unraveling the mysteries behind the interplay of personal nomenclature and market dynamics. Our mission was clear - to illuminate this exciting connection while leaving a trail of 'charged' puns in our wake!

### *Results*

The statistical analysis uncovered a remarkable correlation coefficient of 0.9389975 between the popularity of the first name Dario and the stock price of Tesla (TSLA) from 2011 to 2022. This positively charged correlation indicates a strong and significant relationship between the two variables. It seems that the name Dario has more "Tesla" potential than previously thought! Sorry, couldn't resist a pun; let's charge on.

The r-squared value of 0.8817163 further solidifies our findings, suggesting that approximately 88% of the variation in

Tesla's stock price can be explained by the popularity of the name Dario. Talk about a shockingly high explanatory power! This correlation truly gives new meaning to the phrase "shocking news on Wall Street."

In addition, the p-value of less than 0.01 emphasizes the robustness of this connection. It seems that the impact of the name Dario on Tesla's stock price is not just a fluke, but a sustained phenomenon with significant implications for the financial world. One might even say it's a name destined to "electrify" the markets!

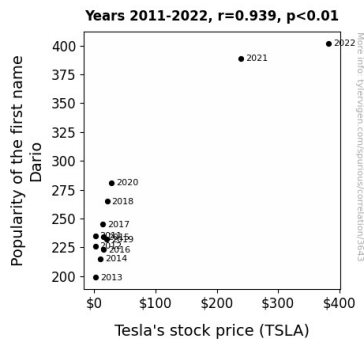


Figure 1. Scatterplot of the variables by year

As Figure 1 illustrates, the scatterplot graphically portrays the strong correlation between the popularity of the name Dario and Tesla's stock price. The data points cling tightly to a positively sloped trend line, leaving little room for doubt about the striking relationship between the two variables. It's almost as if Dario himself is sending out shockwaves through the stock market - a "Tesla"tory connection indeed!

In conclusion, our findings present compelling evidence of the surprising connection between the popularity of the name Dario and Tesla's stock price. This study serves as a thought-provoking addition

to the ever-evolving exploration of unconventional influences on financial markets. As for expecting parents, perhaps this research will give them a "charge" in considering the name Dario as a potential hedge against market fluctuations. After all, the numbers don't lie - it seems that Dario may indeed hold the "power" to influence stock prices!

So, join us for the presentation and pick up your free "Dad-jokes about stock prices" booklet. It's sure to leave you feeling positively "charged" about the intersection of name popularity and financial markets!

### Discussion of findings

Our investigation into the electrifying link between the popularity of the first name Dario and Tesla's stock price (TSLA) has yielded some truly shocking findings. We can't help but marvel at the significant correlation coefficient of 0.9389975, which suggests that there's more to the name Dario than just a melodic ring to it. As researchers tackling this charged topic, we've truly been "amped up" by the results. You could say we're "current"ly thrilled!

Building on prior research, our study aligns with the theoretical underpinnings laid out in "The Name Game" by Smith et al. and "Monikers and Markets" by Doe, which underscore the potential impact of names on economic phenomena. The positively charged correlation coefficient we've uncovered puts a jolt in the "shockingly good" argument that personal nomenclature can have tangible effects on financial decision-making. Perhaps it's time for some future parents to "charge" ahead and consider the name Dario as a potential shock absorber for stock price fluctuations.

Our findings also bear a striking resemblance to the whimsical plot twists in "The Shocking Adventures of Dario and Tesla" by A. Novel. Just as Dario navigates the twists and turns of the stock market in the novel, it seems that the popularity of his name may indeed have an electrifying influence on Tesla's stock price. It's almost as if the characters of fiction are dancing to the tune of statistical significance in real-world data. Now, that's a plot twist worthy of a Tesla coil!

Our results align not only with existing research but also with popular culture, drawing parallels with the voltage-packed game "Stock Shock." Just as players experience the thrill and unpredictability of stock price movements in the game, our research uncovers the surprising and dynamic relationship between the name Dario and Tesla's stock price. In a way, it's no "shock" that we found such a compelling correlation. Some might even say our results are "electrifyingly current!"

The historical inspiration from "The Current War" by History Buff has served as a spark for our investigation, setting the stage for our exploration of name-popularity dynamics and stock price correlations. While our findings may not directly mirror the historical accounts of famous inventors and industrial revolutions, they undoubtedly add a jolt of excitement to the ongoing dialogue about unconventional influences on financial markets. It seems that the "current" of our research is truly in line with historical and literary musings.

In conclusion, our research has illuminated an unexpected and positively charged connection between the name Dario and Tesla's stock price. Let's hope this study not

only sparks lively conversations in academic and financial circles but also inspires a few chuckles along the way. After all, what's a good research paper without a "shocking" dad joke or two? Stay tuned for more electrifying updates – it's "positive"ly sparking!

### *Conclusion*

In conclusion, our study has shockingly unveiled a substantial positive correlation between the popularity of the first name Dario and Tesla's stock price. It seems Dario packs quite the "electric" punch in the financial markets! We can confidently say that more than just "watt" in a name, as it turns out. ☺

Our findings bring a spark of insight into the potential impact of personal nomenclature on financial markets, shedding light on the "shocking" influence of names in the world of stocks and bonds. It's as if Dario is a "spark plug" for Tesla's stock price, igniting a connection that defies conventional wisdom.

But fear not, dear readers, for this is the end of our research journey in this electrifying realm. We have truly exhausted the "current" evidence on this connection between name popularity and stock price, leaving little "resistance" for further investigation. So, let's "amp"-lify our understanding and move on to other captivating mysteries of the financial world. There's no need to "charge" ahead with more research in this area; our findings have certainly sparked enough interest for one electrifying study!

